

| E-BOOKLET

MIGES

MINIMALLY INVASIVE ESOPHAGEAL
AND GASTRIC SURGERY MASTERCLASS

6 - 7 OCTOBER 2025



Organised by



Yong Loo Lin
School of Medicine

Table of **CONTENTS**

About MIGES		03
Message from Course Directors		04
Programme		05
Hands on Workshop		07
Couse Directors		09
International Faculty		12
National Faculty		16
Acknowledgement		31

ABOUT MIGES



The Minimally Invasive Gastric and Esophageal Surgery Masterclass is a landmark educational event bringing together world-renowned expertise and two decades of innovation in upper gastrointestinal surgery. Led by Mr Frank Ottinger and the distinguished European MIE Think Tank Team, the program is designed to showcase the evolution of minimally invasive esophagectomy (MIE) and the integration of robotic approaches (RAMIE).

Through a combination of lectures, case discussions, and a cadaveric hands-on workshop, participants will gain first-hand insights into the technical nuances, evidence-based strategies, and practical tips that are redefining standards of care in gastric and esophageal surgery. This intensive masterclass provides a rare opportunity to learn directly from pioneers who have shaped the global trajectory of minimally invasive techniques.

Highlights

- Advanced techniques of Minimally Invasive and Robotic Esophagectomy
- Contemporary methods in Laparoscopic and Robotic Gastrectomy
- Innovations in Reconstruction Techniques
- Complication Management in complex clinical scenarios
- Hands-on Cadaveric Workshop (limited availability)

MESSAGE FROM COURSE DIRECTORS

Dear Colleagues and Friends,

On behalf of the organizing committee, it is our great pleasure to welcome you to Singapore and to the 2025 Minimally Invasive Gastrectomy and Esophagectomy Course at the National University Hospital (NUH).

This unique program brings together some of the world's most experienced minimally invasive upper gastrointestinal surgeons, united by a common goal: to share knowledge, refine techniques, and push the boundaries of excellence in patient care. Over the course of this meeting, you will have the opportunity to engage in hands-on training, demonstrations, and in-depth discussions led by pioneers and leaders in the field.

Beyond the academic program, we hope you will also take time to enjoy Singapore's vibrant cultural tapestry, world-class hospitality, and rich culinary traditions.

We are confident that this course will inspire new ideas, deepen professional collaborations, and foster lasting friendships across borders. Your presence enriches this gathering and contributes meaningfully to our collective mission of raising the global standard of care for patients with upper gastrointestinal cancers.

Once again, a very warm welcome to NUH and to Singapore.

With warm regards,
Course Directors



Prof Jimmy So
National University Hospital



Dr Edward Cheong
Pan Asia Surgery



Dr Jeremy Tan Tian Hui
Singapore General Hospital

PROGRAMME

MINIMALLY INVASIVE GASTRECTOMY (MIG)

6 OCTOBER 2025

ANATOMY, EVIDENCE AND KEY STEPS FOR MIG

Chair: Prof Jimmy So and Dr June Lee

09:00 - 09:05	Welcome and Introduction <i>Prof Jimmy So</i>
09:05 - 09:25	Surgical Anatomy of the Stomach and D2 Nodal Stations – A Surgical Perspective <i>Dr Lee Zhen Jin</i>
09:25 - 09:45	Evidence for MIG for Gastric Cancer <i>A/Prof Andrew Wong</i>
09:45 - 10:05	MIG - Step by Step Approach: Tips, Tricks, and Pitfalls <i>Dr Kim Guowei</i>
10:05 - 10:25	D2 Lymphadenectomy in MIG: Tips, Tricks, and Pitfalls <i>Dr Aung Myint Oo</i>
10:25 - 10:45	MIG Complications - Prevention and Managements <i>Prof Simon Law</i>
10:45 - 11:00	Tea/Coffee Break

TECHNICAL ASPECTS OF MIG

Chair: Clin Asst Prof Lin Jinlin and Adj Asst Prof Teh Jun Liang

11:00 - 11:20	Anastomotic Techniques for MIG - Step by Step Approach: Tips, Tricks, and Pitfalls <i>Dr Baldwin Yeung</i>
11:20 - 11:40	MIG/RAMIG - Subtotal Gastrectomy - Step by Step Approach: Tips, Tricks, and Pitfalls <i>Dr Annalisa Ng</i>
11:40 - 12:00	MIG/RAMIG - Total Gastrectomy - Step by Step Approach: Tips, Tricks, and Pitfalls <i>Prof Jimmy So</i>
12:00 - 12:20	MIG/RAMIG - Reconstruction after Proximal Gastrectomy: Step-by-Step Approach: Tips, Tricks, and Pitfalls <i>Dr Kim Guowei</i>
12:20 - 12:40	D2 Lymph Node Dissections (esp Station 6, 7, 8a, 9, 10, 11, 12a) - Step by Step Approach: Tips, Tricks, and Pitfalls <i>A/Prof Asim Shabbir</i>
12:40 - 13:30	Lunch, Group Photo Session - Faculty & Participants

HANDS-ON WORKSHOP

Aim - Full Gastric Mobilisation, Lymph Node Dissection, Anastomosis

13:30 - 15:00	Introduction and Start Hands-on Practical Session <i>Dr Edward Cheong</i>
15:00 - 15:20	Tea/Coffee Break
15:20 - 18:00	Hands-on Practical Session

END OF DAY ONE

PROGRAMME

MINIMALLY INVASIVE ESOPHAGECTOMY (MIE)

7 OCTOBER 2025

ANATOMY, EVIDENCE AND KEY STEPS FOR MIE/RAMIE

Chair: Dr Danson Yeo and Dr Jaideep Raj Rao

08:30 - 08:35 **Welcome**

08:35 - 08:55 **Surgical Anatomy of the Thorax with Respect to MIE/RAMIE from a Surgeon's Point of View**
Dr Jeremy Tan and Dr Tiffany Lye

08:55 - 09:15 **Evidences for MIE/RAMIE: Outcome Analysis and Lessons Learned: Top Tips and Tricks, and Pitfalls**
Prof Richard van Hillegersberg

09:15 - 09:35 **Lymphadenectomy in Thorax during MIE/RAMIE**
Prof Chao Yin Kai

09:35 - 09:55 **Thoracic Duct Dissection - How to Do It! Must I Do It?**
Prof Peter Grimminger

09:55 - 10:15 **Prehabilitation and ERAS in MIE**
Dr Maria Wobith

10:15 - 10:30 **Tea/Coffee Break**

TECHNICAL ASPECTS OF MIE

Chair: Dr Kan Yuk Man and Dr Lee Zhen Jin

10:30 - 10:50 **MIE/RAMIE (Abdominal Phase) - Gastric Mobilisation, Lymphadenectomy, Narrow Gastric Conduit Formation, Omental Flap - Step by Step Approach with Tips, Tricks, and Pitfalls**
Prof Richard van Hillegersberg

10:50 - 11:10 **MIE/RAMIE (Thoracic Phase) - Esophageal Mobilisation, Lymphadenectomy, Thoracic Duct, Pleural Tent - Step by Step Approach with Tips, Tricks, and Pitfalls**
Prof Peter Grimminger

11:10 - 11:30 **Recurrent Laryngeal Nerve Lymph Node Dissection - Step by Step Approach with Tips, Tricks, and Pitfalls**
Prof Chao Yin Kai

11:30 - 11:50 **MIE Reconstruction Route and Anastomotic Techniques - Circular Stapler vs Semi-mechanical vs Hand Sewn Techniques for Intrathoracic and Cervical Anastomosis**
Prof Simon Law

11:50 - 12:10 **MIE Complications: Preventions and Managements (including Endovac)**
Dr Edward Cheong

12:10 - 13:00 **Lunch**

HANDS-ON WORKSHOP

Aim - Esophageal Mobilisation, Lymph Node Dissection, Anastomosis

13:00 - 15:00 **Introduction and Start Hands-on Practical Session**
Dr Edward Cheong

15:00 - 15:20 **Tea/Coffee Break**

15:20 - 18:00 **Hands-on Practical Session**

END OF DAY TWO

HANDS-ON WORKSHOP

MINIMALLY INVASIVE GASTRECTOMY (MIG)

6 OCTOBER 2025 (MONDAY)

Learning Objectives

Minimally invasive Radical gastrectomy and safe D2 lymph node dissection and reconstruction

Programme

13:30	INTRODUCTION Opening, welcome and course presentation <i>Dr Edward Cheong</i>
13:35	HANDS-ON PRACTICAL SESSION
15:00	TEA/COFFEE BREAK
15:20	HANDS-ON PRACTICAL SESSION
18:00	END OF SESSION

**This program may be subject to modifications.*

HANDS-ON WORKSHOP

MINIMALLY INVASIVE ESOPHAGECTOMY (MIE)

7 OCTOBER 2025

Learning Objectives

Minimally invasive esophagectomy and 2 fields lymph node dissection and reconstruction.

Programme

13:00	INTRODUCTION Opening, welcome and course presentation <i>Dr Edward Cheong</i>
13:05	HANDS-ON PRACTICAL SESSION
15:00	TEA/COFFEE BREAK
15:20	HANDS-ON PRACTICAL SESSION
18:00	END OF SESSION DELIVERY OF CERTIFICATES OF COMPLETION

**This program may be subject to modifications.*

COURSE DIRECTORS



Prof Jimmy So
National University Hospital

BIOGRAPHY

Prof Jimmy So graduated from the Faculty of Medicine at the Chinese University of Hong Kong in 1991. He received his surgical training at National University Hospital, Singapore, and specialized in Upper Gastrointestinal Surgery, Surgical Oncology, Bariatric Surgery, Therapeutic Endoscopy, and Minimally Invasive Surgery. He trained at Massachusetts General Hospital, Harvard Medical School, and was also visiting consultant in Esophageal and Gastric Surgery at the Royal Infirmary, Edinburgh.

He established NUH's multidisciplinary program for Esophagogastric cancers in 2005, received fellowship training in Japan, Korea, and Hong Kong, and founded the Centre for Obesity Management and Surgery (COMS). He pioneered POEM, minimally invasive gastric cancer surgery, intraperitoneal chemotherapy, and pressurized intraperitoneal aerosol chemotherapy (PIPAC) in Singapore.

He has authored over 300 peer-reviewed publications and secured over S\$15 million in research grants. His work has appeared in Lancet, Nature, Cell, Nature Genetics, Gastroenterology, Gut, Cancer Discovery, Cancer Cell, JCO, Annals of Surgery, BJS, and JAMA Surgery.

He has given over 150 invited international lectures, including at IGCC, JGCA, KIGCW, AGA, ASCO, ASGE, SAGES, ISDE, and WCES. He was founding president of the Asia-Pacific Gastro-esophageal Cancer Congress (2006). Prof So is Editor of Gastric Cancer and serves on editorial boards of ESMO GI Oncology, BJS Open, Journal of Gastric Cancer, Cancers, Translational Medicine, and Annals of Gastroenterological Surgery.

COURSE DIRECTORS



Dr Edward Cheong
Pan Asia Surgery

BIOGRAPHY

Dr Cheong is a senior consultant upper gastrointestinal (GI) surgeon with over 29 years' experience in laparoscopic GI surgery and endoscopic treatments for early upper GI cancers. After six years of higher specialist training at Addenbrooke's Hospital, Cambridge, and Norfolk and Norwich University Hospital (NNUH) in the UK, he completed a one-year post-CCT fellowship (2008–2009) in minimally invasive oesophagectomy (MIO), oesophagogastric and bariatric surgery, and endoscopic treatments for early cancers with Professors James D. Luketich and Blair Jobe at the University of Pittsburgh Medical Center, USA.

Before joining PanAsia Surgery, Dr Cheong was Upper GI Cancer Director and senior consultant surgeon at NNUH (2009–2022). He introduced MIO, Enhanced Recovery After Surgery (ERAS), and endoscopic treatments for early cancers. For 12 consecutive years, NNUH ranked as the UK's top OG cancer center with the shortest hospital stay (6 days) after MIO, a marker of excellent outcomes and survival. He also has the largest experience in total MIO in Singapore and pioneered the use of Endovac without sponge (Exudrain) for anastomotic leaks.

Since 2015, Dr Cheong has been Co-director and Trainer at the Minimally Invasive Gastrectomy and Esophagectomy Course (European Society of Surgical Oncology and Intuitive Da Vinci Robotic Surgery) at University Medical Centre Utrecht with Professor R. van Hillegersberg, and at University Medical Center Mainz with Professor P. Grimmer.

In 2017, Dr Cheong received the inaugural Dr James D. Luketich International Award in the USA, the first presented to a surgeon outside America. In 2018, he received the UK National Award by the Care Quality Commission (CQC) during the NHS 70th Anniversary celebrations, honoring doctors who made a significant impact.

Dr Cheong is widely published in high-impact journals and is frequently invited as chair, speaker, or tutor at international and national upper GI meetings.

COURSE DIRECTORS



Dr Jeremy Tan Tian Hui
Singapore General Hospital

BIOGRAPHY

Dr Jeremy Tan Tian Hui is the Head and Senior Consultant in the Department of Surgery at Singapore General Hospital. He graduated with an MBBS from the University of Western Australia and went on to train in General Surgery, obtaining his Fellowship of the Royal Australasian College of Surgeons in 2007.

He subsequently completed advanced fellowship training in Upper Gastrointestinal and Bariatric Surgery from 2007 to 2008, equipping him with subspecialty expertise in complex esophageal, gastric, and bariatric procedures.

Dr Tan's clinical practice spans general surgery, surgical oncology, minimally invasive surgery, and bariatric surgery, with a particular focus on advanced laparoscopic and upper gastrointestinal cancer surgery.

As Head of Service, he has been instrumental in driving the development of multidisciplinary care pathways for patients with upper gastrointestinal malignancies and metabolic disorders.

INTERNATIONAL FACULTY



Prof Richard van Hillegersberg

University Medical Center Utrecht, Netherlands

BIOGRAPHY

Richard van Hillegersberg attended medical school in Rotterdam, the Netherlands. In 1993 he received his PhD with honor at the Department of Surgery, Erasmus MC in Rotterdam. From 1994-2000, he was trained in General Surgery in Rotterdam. From 2001-2002 he was fellow of Surgical Oncology in the Academic Medical Center and Antoni van Leeuwenhoek Netherlands Cancer Center Amsterdam.

Since 2003 he is appointed as staff surgeon at the University Medical Center Utrecht. From 2009 he is a full professor of gastrointestinal oncology. Research is focused on Upper GI minimally invasive and robotic surgery, surgical imaging and genetic profiling.

He has authored over 15 chapters in textbooks concerning robotic foregut surgery and over 500 articles in international peer-reviewed journals. From 2018 he is chairman of the Educational committee of the European Society for Diseases of the Esophagus (ESDE) and member of the education committee of ISDE, he is associate editor of Diseases of the Esophagus and Digestive Surgery, founder and chairman of the Upper GI International Robotic Association (UGIRA).

INTERNATIONAL FACULTY



Prof Peter Grimminger

University Medical Center Mainz, Germany

BIOGRAPHY

Prof Peter is University Professor for Robotic Surgery at the University Medical Center of the Johannes Gutenberg-University Mainz. Following his transition in 2015 to Mainz under the request of Professor Dr Hauke Lang, he established and led the Section of Gastric and Esophageal Surgery, where he pioneered the shift of oncological procedures toward minimally invasive and robot-assisted techniques.

His leadership enabled the department to become both a certified reference center and a Case Observation Center for robotic esophageal surgery.

Prof Peter is internationally recognized for his contributions to robotic and minimally invasive surgery. He co-founded the Upper GI International Robotic Association (URIGA) in 2017, which has since developed into a leading platform for robotic training and scientific collaboration. His scientific works have been published in *Annals of Surgery* and *Annals of Surgical Oncology*. He has also trained over 100 surgeons through live case observations, and he serves as a proctor for robotic surgery across Europe.

He has received multiple honors, including the Karl Storz Prize of the German Society of Surgery, the Honorary Diploma for Esophageal and Gastric Surgery from the European Board of Surgery, Fellowship of the American College of Surgeons, and Honorary Fellowship of the Brazilian College of Digestive Surgery. Prof Peter holds leadership roles within the German Society of General and Visceral Surgery, OESO, ESDE, URIGA, and ISDE, and he advises major robotic platforms including Intuitive, Kawasaki, Medtronic, CMR Surgical, Distalmotion, and Avatera.

Most recently, he was elected Vice President of OESO, appointed to multiple advisory committees, and continues to spearhead innovations in robotic surgery, including da Vinci single-port procedures in Europe.

INTERNATIONAL FACULTY



Prof Chao Yin Kai

Chang Gung Memorial Hospital, Taiwan

BIOGRAPHY

Dr Chao acquired his MD degree from Chang Gung university in 2001 and completed specialist training as thoracic surgeon in Chang Gung Memorial Hospital in 2006. In 2010, he received PhD degree in Medical sciences at the Chang Gung University. He is now the full time attending staff in the Department of Thoracic and Cardiovascular Surgery in Chang Gung memorial hospital Linkou and a professor at Chang Gung University.

Dr Chao is a board certified surgeon pioneering in minimal invasive esophagectomy. He accounts for more than 60% of the esophageal cancer operations performed annually at Chang Gung Memorial Hospital, Linkou, Taiwan. Dr. Chao is a very strong patient advocate and very dedicated to our specialty, his talent in minimal invasive surgery is outstanding and exemplary and of the highest quality.

In addition to his work , Dr Chao is also a well-known researcher . His areas of scientific investigation include the esophageal cancer research and development of biodegradable medical device . Being a recipient of numerous research awards since 2006, he has authored over 100 publications.

Dr Yin Kai Chao is a very well-known doctor in the esophageal cancer field. His innovative surgical methods as well as his experienced techniques have gained him recognition and praise in Taiwan.

INTERNATIONAL FACULTY



Prof Simon Law

The University of Hong Kong, Hong Kong SAR

BIOGRAPHY

Simon Law graduated with First Class Honors from the University of Cambridge in England and went on to receive his post-graduate training at the Department of Surgery at The University of Hong Kong. He is currently the Department Chairperson, Cheung Kung-Hai Professor in Gastrointestinal Surgery, Chair Professor, and Chief of Esophageal and Upper Gastrointestinal Surgery, Department of Surgery, School of Clinical Medicine, The University of Hong Kong.

He is also Chief of Service in Surgery at Queen Mary Hospital and Gleneagles Hospital in Hong Kong. Throughout his career, Professor Law has focused on benign and malignant disorders of the upper gastrointestinal tract, with a particular emphasis on esophageal and gastric cancers, motility disorders, and gastro-esophageal reflux disease. He has developed expertise in various endoscopic diagnostic and treatment techniques for foregut diseases, surgical methods including minimally invasive and robot-assisted surgery, and multimodality treatments of esophageal and gastric cancers.

In addition to his clinical work, Professor Law has been active in many professional organizations. He served as a council member of the College of Surgeons of Hong Kong, Chairman of the General Surgery Board, and Chief Examiner of the Joint Fellowship Examination of the Royal College of Surgeons of Edinburgh and The College of Surgeons of Hong Kong. He is also the past president of the Hong Kong Society of Upper Gastrointestinal Surgeons and a member of the Education and Accreditation Committee of the Medical Council of Hong Kong. Professor Law has also played a key role in many international societies, including as a Consultant to the International Society of Digestive Surgery (ISDS), Asia Representative of the Member Services Committee of the Society for Surgeons of the Alimentary Tract (SSAT), and Secretary of the Hong Kong-China Chapter of the American College of Surgeons. He was co-chairman of the Education Committee of the International Society of Diseases of the Esophagus (ISDE) and is a past President of the same society. He is an honorary member of both the American Surgical Association (ASA) as well as the European Surgical Association (ESA). He currently serves on the ASA as a member of the Honorary Fellowship Committee of East Asia. He is also an honorary member of the Australian & Aotearoa New Zealand Gastric & Esophageal Surgery Association. He sits / has sat on the editorial board of 17 journals, including the Annals of Surgery, JAMA Surgery. He is associate editor of Diseases of the Esophagus. In 2015, he was also Editor of the Year for World Journal of Surgery.

Professor Law has published extensively, with 350th articles and 45 book chapters to his name. He has also contributed to several seminal surgical textbooks, such as Mastery of Surgery, Maingot's Abdominal Operations, Pearson's Thoracic and Esophageal Surgery, and Shackelford's Surgery of the Alimentary Tract. In recognition of his contributions to the field, Professor Law has been invited to speak at conferences and symposia around the world on 425 occasions.

NATIONAL FACULTY



A/Prof Asim Shabbir
National University Hospital

BIOGRAPHY

A/Prof Asim Shabbir is Head & Senior Consultant with the Department of Surgery, National University Hospital (NUH) and Yong Loo Lin School of Medicine, National University of Singapore (NUS Medicine). He completed his basic and advance surgical training at NUH, Singapore. He was awarded fellowships from Royal College of Surgeons of Edinburgh and was accredited a surgical specialist by the Specialist accreditation board in 2007. In 2009, he did a clinical fellowship on Gastric cancer management with special interest in laparoscopic surgery for gastric cancer at the Seoul National University Hospital, South Korean.

In 2010, he trained at Ede Hospital, I Shou University Kaohsiung, Taiwan in Bariatric and Metabolic surgery and was awarded as Fellowship. A/Prof Asim's specialty is general surgery and his special interests are upper gastrointestinal surgery, bariatric & metabolic surgery, advance endoscopy and laparoscopic surgery. He has been active in international as well as local meeting of his interest. His research interest includes obesity, surgery for type 2 diabetes and gastric cancer. He won the Best free paper award for his presentation "Laparoscopic Roux-en-Y Gastric Bypass for the Treatment of Type II Diabetes Mellitus in Chinese Patients with Body 25-35kg/m² at Asia Pacific metabolic bariatric surgical society meeting 2010. He has published in reputed journals in his field of interest.

NATIONAL FACULTY



A/Prof Andrew Wong
Changi General Hospital

BIOGRAPHY

Dr Andrew Wong is the current deputy chairman, Medical Board (Surgical Disciplines) and a Senior Consultant at the Department of Surgery at Changi General Hospital (CGH). Dr Wong received his medical degree from the National University of Singapore in 1995. He had specialty training at the Department of Surgery in CGH, followed by fellowship training in oesophagogastric surgery at the Royal Adelaide Hospital in South Australia. His subspecialty interest is in oesophagus and gastric surgery, bariatric and metabolic surgery as well as minimally invasive surgery.

NATIONAL FACULTY



Asst Prof Aung Myint Oo

Tan Tock Seng Hospital

BIOGRAPHY

Asst Prof Aung Myint Oo @ Ye Jian Guo is a Senior Consultant Surgeon in the Department of General Surgery and an Assistant Chief Clinical Informatics Officer in Tan Tock Seng Hospital, Singapore. He is an Assistant Professor and an assistant clinical module lead (gastrointestinal system) with Lee Kong Chian School of Medicine, Nanyang Technological University of Singapore. He is also a clinical senior lecturer with the Yong Loo Lin School of Medicine, National University of Singapore.

Dr Aung completed his basic and advanced surgical training in Singapore. He was awarded Health Manpower Development Plan (HMDP) scholarship to undergo his fellowship training in advance minimally invasive upper gastrointestinal surgery at Seoul National University Bundang Hospital, Korea. He is the President of the Obesity and Metabolic Surgery Society of Singapore (OMSSS), Chairman of Chapter of General Surgeons, College of Surgeons, Academy of Medicine Singapore, the Preside-elect of SingSPEN (Society of Parenteral and Enteral Nutrition, Singapore) and Scientific Chair of the World Congress of Endoscopic Surgery (WCES 2025) in conjunction with the 17th Asia Pacific Scientific Congress of ELSA (Endoscopic and Laparoscopic Surgeons of Asia). He was the Vice President of the 10th Asia-Pacific Gastroesophageal Cancer Congress 2024 (APGCC). He is also a member of the Singapore Cancer Society Gastric Cancer Awareness Month Committee. He is an active member of international societies for endo-laparoscopic surgeons and bariatric surgeons. He is actively involved in the Digital Transformation Project of ELSA and is also the Co-Chair of ELSA Communication & Informatics Committee. He is an active member of the EAES (European Association for Endoscopic Surgery) Education and Training Committee, the Communication Committee of International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO) and, the Surgical Specialty Board in General Surgery with the Royal College of Surgeons of Edinburgh (RCSEd, UK). He is also a council member of Medico-Legal Society of Singapore (MLSS).

Dr Aung is active in both clinical research and teaching. He was awarded the Ministry of Health Healthcare Research Scholarship in 2013 to pursue Master of Clinical Investigation (MCI) at National University of Singapore and he was conferred MCI in 2016. He is also a Co-Investigator of international gastric cancer research trials. Not only has he published his research works in peer reviewed medical journals, he is also a reviewer of peer-reviewed medical journals.

He is currently an instructor of Advanced Cardiac Life Support (ACLS) and Advanced Trauma Life Support (ATLS) courses, as well as a core faculty/ faculty of the Surgical Residency programmes in Singapore. He is also an e-tutor of MSc in Surgical Science, Edinburgh Surgical Science Qualifications and ChM in General Surgery, University of Edinburgh, UK. He has been appointed as a visiting lecturer to the Department of Thoracic Surgery, University of Medicine 1, Yangon in Myanmar. He is also an active faculty member of SMACMEP (Singapore Medical Association Centre for Medical Ethics and Professionalism).

NATIONAL FACULTY



Clin Asst Prof June Lee
Changi General Hospital

BIOGRAPHY

Dr June Lee is a senior consultant in the Department of Surgery at Changi General Hospital (CGH). She graduated from the Yong Loo Lin School of Medicine, National University of Singapore (NUS) in 2004 with a MBBS degree. She trained for her specialisation in general surgery in both Singapore General Hospital (SGH) and CGH. Dr Lee attained a fellowship in general surgery from the Royal College of Surgeons of Edinburgh in 2012 and was accorded the Health Manpower Development Plan (HMDP) Award.

She then completed her fellowship training in upper gastrointestinal and bariatric surgery at Princes of Wales Hospital, Hong Kong in 2015. Dr Lee is trained in minimally invasive surgical treatment of gastric and oesophageal cancers. She also maintains an interest in minimally invasive surgical treatment of benign conditions involving the upper gastrointestinal tract, obesity and hernias.

NATIONAL FACULTY



Clin Asst Prof Lin Jinlin
Changi General Hospital

BIOGRAPHY

Dr Lin Jinlin is a consultant with the Department of Surgery at Changi General Hospital (CGH). He graduated from the National University of Singapore School of Medicine in 2006 and finished his advanced surgical training, being elected to the fellowship of the Royal College of Surgeons of Edinburgh in November 2015. Dr Lin's interest is in upper gastrointestinal, minimally invasive, bariatric and metabolic surgery. Besides his clinical work, Dr Lin is actively involved in undergraduate and postgraduate education.

He is currently a clinical lecturer, appointed by the National University of Singapore Yong Loo Lin School of Medicine and Nanyang Technological University Lee Kong Chian School of Medicine. He is also a clinical physician faculty member for the SingHealth Transitional Year Residency and General Surgery Program.

NATIONAL FACULTY



Clin Asst Prof Annalisa Ng

Changi General Hospital

BIOGRAPHY

Dr Ng is currently a Senior Consultant at the Department of Surgery in Changi General Hospital. Her subspeciality interests are in Upper Gastrointestinal, Metabolic and Bariatric Surgery, Hernia surgery, Minimally Invasive Surgery as well as therapeutic endoscopy. She graduated with a Bachelor of Medicine, Bachelor of Surgery (MBBS) from the NUS Yong Loo Lin School of Medicine (YLLSoM) in 2010 and subsequently obtained her Masters of Medicine (Surgery) from National University of Singapore in 2016.

She obtained her Fellowship of the Royal College of Surgeons (Edinburgh) in General Surgery in 2017. She subsequently furthered her specialist training by completing a fellowship in minimally invasive upper gastrointestinal oncology surgery with a focus on robotic-assisted oesophagectomy (under the guidance of Professor Richard van Hillegersberg & Professor Jelle Ruurda) in University Medical Centre Utrecht, Netherlands; a pioneer in the use of robotic-assisted surgery for such procedures.

NATIONAL FACULTY



Adj Asst Prof Teh Jun Liang
Ng Teng Fong General Hospital

BIOGRAPHY

Dr Teh Jun Liang graduated from the Yong Loo Lin School of Medicine in NUS in 2010 and entered specialist training in general surgery the same year. He obtained a Master of Medicine (Surgery) in 2016. Dr Teh completed general surgery specialist training in 2018 and was conferred Fellow of Royal College of Surgeons, Edinburgh. He also obtained ChM in general surgery from the University of Edinburgh in 2019. Dr Teh underwent post fellowship training in upper gastrointestinal surgery and bariatric surgery in NUHS, Singapore, specializing in the surgical care of patients with upper gastrointestinal cancer and morbid obesity.

In 2022, he was awarded the Healthcare Manpower Development Plan Award, and underwent further subspecialty training in upper gastrointestinal surgery and advanced therapeutic endoscopy in Prince of Wales Hospital, Hong Kong, Special Administrative Region China with Professor Philip Chiu and Professor Anthony Teoh.

Dr Teh's surgical interests include surgical management of gastroesophageal cancers, bariatric surgery and single incision laparoscopic hernia surgery. Doubly trained as a surgical endoscopist, he has a keen interest in endoscopic ultrasound, endoscopic retrograde cholangiopancreatography (ERCP), endoscopic resection of early gastroesophageal cancers, third space endoscopy as well as endoscopic ultrasound guided interventions.

Dr Teh has published several studies and reviews in international medical journals and co-authored several textbook chapters on laparoscopic surgery and endoscopic ultrasound. He is also an elected member of the executive committee of the Obesity & Metabolic Surgery Society of Singapore (OMSSS).

NATIONAL FACULTY



Clin Asst Prof Baldwin Yeung

Sengkang General Hospital

BIOGRAPHY

Dr Yeung is the Deputy Head and Senior Consultant in the Department of General Surgery and leads the upper gastrointestinal and bariatric service at Sengkang General Hospital. He graduated from University of Glasgow with first class honours in 2006 and obtained his PhD in Biomedical Engineering from University of Strathclyde in 2015.

He completed his surgical specialist training in the United Kingdom. In 2015, he undertook a 1-year fellowship in upper GI surgery and advanced endoscopy at the Prince of Wales Hospital.

He completed his surgical specialist training in the United Kingdom. In 2015, he undertook a 1-year fellowship in upper GI surgery and advanced endoscopy at the Prince of Wales Hospital. In 2016, he spent a further year specialising in upper GI cancer surgery in Glasgow Royal Infirmary. He is a fellow of the Royal College of Surgeons (Edinburgh) and Royal College of Physicians and Surgeons (Glasgow).

NATIONAL FACULTY



Dr Kim Guowei
Crest Surgical Practice

BIOGRAPHY

Dr Kim Guowei graduated from the National University of Singapore (NUS) in 2007 and completed his surgical residency at the National University Hospital (NUH) in 2016, where he served as Chief Resident. In 2018, he was awarded the Academic Medicine Development Award (AMDA) and spent a year at SNUBH, Korea, training in laparoscopic and robotic gastric cancer surgery.

Passionate about education, he has been actively involved in undergraduate and postgraduate teaching since 2014. He served as Clinical Lecturer in the Department of Surgery, Yong Loo Lin School of Medicine, NUS, before his appointment as Assistant Professor in 2021.

Dr Kim is Program Director of the NUHS General Surgery Residency Programme and recipient of multiple teaching awards, including the NUS Dean's Excellence Award and NUH GREAT Teacher Award. He is a surgical innovator who integrates robotics and artificial intelligence to improve outcomes, notably performing the world's first cross-border robotic telesurgery between Singapore and Japan in 2023. He pioneered the introduction of PIPAC in Asia (2016) and mediastinoscopy-assisted trans-hiatal esophagectomy (MATHE) in the region. An advanced endoscopist, he performs POEM, ESD, EFTR, and introduced ESG for bariatric patients at NUH. He also teaches widely, proctors at public hospitals, and is invited internationally to speak on robotic surgery, AI in upper GI surgery, and surgical innovation.

NATIONAL FACULTY



Dr Lee Zhen Jin
Singapore General Hospital

BIOGRAPHY

Dr Lee Zhen Jin is a consultant at the Department of Upper Gastrointestinal and Bariatric Surgery at the Singapore General Hospital. He completed fellowships in Advanced Foregut and Bariatric Surgery at the University Health Network, Toronto General Hospital in Toronto, Canada and in Robotic Bariatric Surgery at Siriraj Hospital Bangkok, Thailand. He holds academic positions in Yong Loo Lin and Lee Kong Chian Schools of medicine, and Duke NUS.

NATIONAL FACULTY



Dr Tiffany Lye Jian Ying
Singapore General Hospital

BIOGRAPHY

Dr Tiffany Lye is a Consultant in the Department of Upper Gastrointestinal and Bariatric Surgery at Singapore General Hospital (SGH), specializing in minimally invasive and robotic esophagogastric surgery. After obtaining her medical degree from the Yong Loo Lin School of Medicine at the National University of Singapore (NUS), she completed her General Surgery Residency with SingHealth in 2019, earning board certification in General Surgery. She subsequently joined the Upper GI and bariatric surgery unit at SGH, where she further honed her skills in advanced laparoscopic and minimally invasive surgical techniques.

In 2024, Dr Lye completed a prestigious one-year surgical fellowship in Robotic and Minimally Invasive Esophagogastric Surgery at Linkou Chang Gung Memorial Hospital in Taiwan, solidifying her expertise in complex robotic procedures.

An accredited Da Vinci Robotic Surgeon, Dr Lye played a pivotal role in pioneering the robotic upper GI and bariatric surgery service at her institution. A dedicated advocate for robotic surgery, Dr Lye represents Upper GI surgery on the Robotic Surgery Committees at SGH and SingHealth, where she actively promotes the adoption of robotic techniques in her field. She is also a lifetime member of the Robotic Surgery Society of Singapore (RS3) and plays a key role in advancing robotic surgical education, mentoring the next generation of surgeons. Her teaching portfolio includes directing hands-on cadaveric workshops, leading advanced laparoscopic and robotic surgery courses, and mentoring surgical trainees and junior faculty.

NATIONAL FACULTY

**Dr Maria Wobith**

National University Hospital

BIOGRAPHY

Dr Maria Wobith is a visceral surgeon trained in Leipzig, Germany. Her main interests include oncological surgery, perioperative nutrition, prehabilitation, and ERAS. She coordinated the Colorectal, Pancreatic, and Gastric Cancer Center in Leipzig and established a dedicated prehabilitation outpatient clinic. Her academic work focuses on perioperative nutrition, prehabilitation, and the assessment and management of high-risk patients undergoing major abdominal surgery. She is a member of the German Society for General and Visceral Surgery (DGAV) guideline committee on exercise in oncology. Since February 2025, she has been a fellow in upper gastrointestinal surgery at the National University Hospital in Singapore.

NATIONAL FACULTY



Dr Jaideep Raj Rao

JR Surgery

BIOGRAPHY

Dr Jaideep Raj Rao is the Senior Consultant Surgeon at JR surgery at Mount Elizabeth Novena Hospital, Singapore and specializes in Minimal Access & Robotic Surgery, Bariatric & Metabolic Surgery, Gastrointestinal Surgery, Oncology Surgery & Hernia and Complex Abdominal Wall Reconstruction (Hernia Repair Surgery).

Dr Rao completed his basic and advanced surgical training in Tan Tock Seng Hospital & Singapore General Hospital, Singapore. He was awarded the National Healthcare Human and Manpower Development Plan fellowship by the Ministry of Health in 2007 in Advanced Laparoscopic and Robotic Surgery.

Dr Rao completed his fellowship at Seoul National University Hospital and Seoul National University Bundang Hospital, Korea in 2008. He was the Senior Consultant & Head of Upper Gastrointestinal, Bariatric & Minimal Access Surgery and Director of the Bariatric surgery program at Tan Tock Seng Hospital for the last 10 years before founding JR surgery.

NATIONAL FACULTY

**Dr Danson Yeo**

Tan Tock Seng Hospital

BIOGRAPHY

Dr Danson Yeo is a Consultant in the Upper Gastrointestinal and Bariatric Surgery Unit in the department of General Surgery. He is currently a Clinical lecturer at both Lee Kong Chian School of Medicine, and Yong Loo Lin School of Medicine, Singapore. Dr Danson is actively involved in the research of metabolic diseases, and has completed the National Health Group Clinician Scientist Preparatory Program in 2019.

NATIONAL FACULTY



Dr Kan Yuk Man

KYM Surgery

BIOGRAPHY

Dr Kan obtained his medical degree (MB ChB 1993) and Fellowship of the Royal College of Surgeons (FRCSEd 1998, FRCSEd 2007) in the United Kingdom. His surgical training was at Addenbrookes University Hospital, Cambridge, United Kingdom and he brings along a wealth of experience spanning over 25 years.

Dr Kan is a senior consultant surgeon who has expertise in Surgical Oncology with a focus specifically on minimally invasive / keyhole surgery (MIS). With a fellowship in Brisbane (Australia), he gained hands-on experience at a world-renowned centre for minimally invasive oesophagectomy. He also spent time on fellowships, attaining skills in Surgical Oncology in University Hospitals in Tokyo & Hong Kong. He is one of a few surgeons in this region who can successfully use this keyhole approach for stomach and oesophageal cancers. His scope of practice extends from simple conditions such as skin lumps, haemorrhoids, simple & complex hernia to complex keyhole surgery for colon, oesophageal, stomach, pancreas and liver cancers. He is also regularly invited as a trainer on surgical workshops around the region and has presented numerous talks at medical conferences throughout the world (USA, UK, France, India, Singapore, Australia, Philippines, Vietnam and Thailand).

ACKNOWLEDGEMENT

The Minimally Invasive Esophageal and Gastric Surgery Masterclass Organizing Committee would like to thank the following for their kind and generous contributions.

Workshop Sponsor:

The Medtronic logo, featuring the word "Medtronic" in a bold, blue, sans-serif font.

Silver Sponsors:

The Fujifilm logo, featuring the word "FUJIFILM" in a bold, black, sans-serif font, with a red vertical bar between the "J" and "I". Below it, the tagline "Value from Innovation" is written in a smaller, black, sans-serif font.The Johnson & Johnson MedTech logo, featuring the words "Johnson & Johnson" in a bold, red, sans-serif font, with "MedTech" in a smaller, red, sans-serif font below it.

Sponsor:

The Olympus logo, featuring the word "OLYMPUS" in a bold, blue, sans-serif font, with a yellow horizontal line underneath it.



Oxygen Saturation Endoscopic Imaging

FUJIFILM ELUXEO

provides dye-free real-time visualization of tissue oxygenation that can help surgeons identify and ensure proper tissue viability, crucial in reducing complications such as anastomotic leaks.



ELUXEO Surgical System

helps support decisions during surgery with OXEI technology

ECHELON CIRCULAR™ Powered Stapler

Reduced anastomotic leak rate^{1,2}
and lower average length of stay
in esophagectomy procedures³

3D Stapling
Technology
evenly distributed
compression⁵

Gripping Surface Technology
provided gentler handling with a
33% reduction in compressive
forces on tissue⁴

Built on a powered firing platform,
the ECHELON CIRCULAR™ Powered
Stapler had 37% less movement at the
distal tip for increased stability⁶

ECHELON™ 3000 Stapler

Improved Access, Greater Control^{7,8}

Greater
articulation

One-handed
operation

Shorter articulation
joint length

Wider
jaw aperture

Powered
continuous
articulation

STRATAFIX™ Knotless Tissue Control Devices

More efficiency¹⁵⁻¹⁹

More strength
& security⁹⁻¹⁹

More consistency¹⁵⁻¹⁹

STRATAFIX™ Symmetric PDS™ Plus
Knotless Tissue Control Device
UNIDIRECTIONAL

STRATAFIX™ Spiral
Knotless Tissue Control Device
UNIDIRECTIONAL

BIDIRECTIONAL

VERASEAL™ Fibrin Sealant

Forms a clot independent of the patient's coagulation profile.^{20,21}

Human Fibrinogen

Protein which forms a clot when combined with
thrombin.²²

Airless Spray Tip

Static mixer designed to create
a homogenous mixture of
fibrinogen and thrombin.

Human Thrombin

Protease that activates clotting of final combined
product and converts fibrinogen into fibrin.²²

VERASEAL™ Laparoscopic Dual Applicator
35cm Rigid

VERASEAL™ Laparoscopic Dual Applicator
45cm Flexible

VERASEAL™ Open Dual Applicator

SG_SRG_ALLS_407228

1. A 3-year prospective study of anastomotic leak rates between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 2. A 3-year retrospective analysis of anastomotic leak rates between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 3. A 3-year retrospective analysis of average length of stay (ALOS) between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 4. A 3-year retrospective analysis of compressive forces on tissue between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 5. A 3-year retrospective analysis of evenly distributed compression between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 6. A 3-year retrospective analysis of movement at the distal tip between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 7. A 3-year retrospective analysis of improved access between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 8. A 3-year retrospective analysis of greater control between May 2015 and May 2018 comparing ECHELON CIRCULAR™ Powered Stapler (n=107) and Manual Stapler (n=107). 9. A 3-year retrospective analysis of strength and security between May 2015 and May 2018 comparing STRATAFIX™ Symmetric PDS™ Plus (n=107) and STRATAFIX™ Spiral (n=107). 10. A 3-year retrospective analysis of efficiency between May 2015 and May 2018 comparing STRATAFIX™ Symmetric PDS™ Plus (n=107) and STRATAFIX™ Spiral (n=107). 11. A 3-year retrospective analysis of consistency between May 2015 and May 2018 comparing STRATAFIX™ Symmetric PDS™ Plus (n=107) and STRATAFIX™ Spiral (n=107). 12. A 3-year retrospective analysis of unidirectional control between May 2015 and May 2018 comparing STRATAFIX™ Symmetric PDS™ Plus (n=107) and STRATAFIX™ Spiral (n=107). 13. A 3-year retrospective analysis of bidirectional control between May 2015 and May 2018 comparing STRATAFIX™ Symmetric PDS™ Plus (n=107) and STRATAFIX™ Spiral (n=107). 14. A 3-year retrospective analysis of unidirectional control between May 2015 and May 2018 comparing STRATAFIX™ Symmetric PDS™ Plus (n=107) and STRATAFIX™ Spiral (n=107). 15. A 3-year retrospective analysis of efficiency between May 2015 and May 2018 comparing VERASEAL™ Laparoscopic Dual Applicator (n=107) and VERASEAL™ Laparoscopic Dual Applicator (n=107). 16. A 3-year retrospective analysis of strength and security between May 2015 and May 2018 comparing VERASEAL™ Laparoscopic Dual Applicator (n=107) and VERASEAL™ Laparoscopic Dual Applicator (n=107). 17. A 3-year retrospective analysis of consistency between May 2015 and May 2018 comparing VERASEAL™ Laparoscopic Dual Applicator (n=107) and VERASEAL™ Laparoscopic Dual Applicator (n=107). 18. A 3-year retrospective analysis of unidirectional control between May 2015 and May 2018 comparing VERASEAL™ Laparoscopic Dual Applicator (n=107) and VERASEAL™ Laparoscopic Dual Applicator (n=107). 19. A 3-year retrospective analysis of bidirectional control between May 2015 and May 2018 comparing VERASEAL™ Laparoscopic Dual Applicator (n=107) and VERASEAL™ Laparoscopic Dual Applicator (n=107). 20. A 3-year retrospective analysis of independent clot formation between May 2015 and May 2018 comparing VERASEAL™ Fibrin Sealant (n=107) and VERASEAL™ Fibrin Sealant (n=107). 21. A 3-year retrospective analysis of independent clot formation between May 2015 and May 2018 comparing VERASEAL™ Fibrin Sealant (n=107) and VERASEAL™ Fibrin Sealant (n=107). 22. A 3-year retrospective analysis of clot formation between May 2015 and May 2018 comparing VERASEAL™ Fibrin Sealant (n=107) and VERASEAL™ Fibrin Sealant (n=107).

Johnson & Johnson
MedTech